



### **Analytical Laboratory**

13339 Hagers Ferry Road Huntersville, NC 28078-7929 McGuire Nuclear Complex - MG03A2 Phone: 980-875-5245 Fax: 980-875-4349

## **Order Summary Report**

J11010033
NPDES - MONTHLY
Sue Wallace, Matthew Dorn, Mark Harper, Todd Spade, Tara Thomas
11021 BROWER RD.
NORTH BEND, OH 45052
Therona T James Phone: 980-875-4795
Date: 1/18/2011

### **Program Comments:**

Miami Fort NPDES - Monthly (Week 1)

#### **Data Flags & Calculations:**

Any analytical tests or individual analytes within a test flagged with an "X" or "1" indicate a deviation from the method quality system or quality control requirement. All results are reported on a dry weight basis unless otherwise noted.

#### Data Package:

This data package includes analytical results that are applicable only to the samples described in this narrative. An estimation of the uncertainty of measurement for the results in the report is available upon request. This report shall not be reproduced, except in full, without the written consent of the Analytical Laboratory. Please contact the Analytical laboratory with any questions. The order of individual sections within this report is as follows:

Job Summary Report, Sample Identification, Technical Validation of Data Package, Analytical Laboratory Certificate of Analysis, Analytical Laboratory QC Reports, Sub-contracted Laboratory Results, Customer Specific Data Sheets, Reports & Documentation, Customer Database Entries, Test Case Narratives, Chain of Custody (COC)

#### Certification:

The Analytical Laboratory holds the following State Certifications: North Carolina (DENR) Certificate #248, South Carolina (DHEC) Laboratory ID # 99005. Contact the Analytical Laboratory for definitive information about the certification status of specific methods.

The results in this report meet NELAP requirements through New York State Department of Health Certification # 11717.. Certified parameters are designated with an "N" in the analytical report.

# Sample ID's & Descriptions:

Samula ID	Plant/Station	Collection Date and Time	Collected By	Samula Description	
Sample ID	Plant/Station	Date and Time	Collected By	Sample Description	
2011000122	MIAMI-FORT	04-Jan-11 9:30 AM	Mark Harper	OUTFALL 002	
2011000123	MIAMI-FORT	04-Jan-11 9:00 AM	Mark Harper	OUTFALL 608	
2 Total Samples					

### **Technical Validation Review**

### **Checklist:**

Report

**✓** 

**✓** 

**~** 

**✓** 

Reviewed By:

Jenny A Herman

COC and .pdf report are in agreement with sample and analyses (compliance programs and procedure)	✓ Yes	□ No							
All Results are less than the laboratory reporting lin	mits.	Yes	<b>✓</b> No						
All laboratory QA/QC requirements are acceptable	<del>)</del> .	✓ Yes	☐ No						
The Vendor Laboratories have been qualified by the Analytical Laboratory	ne	N/A							
Sections Included:									
Job Summary Report	☐ Sub-contracted Laboratory Results								
Sample Identification	☐ Customer Specific Data Sheets, Reports, & Documentation								
Technical Validation of Data Package	Customer Database Entries								
Analytical Laboratory Certificate of Analysis	☐ Test Cas	e Narratives							
Analytical Laboratory QC Report	✓ Chain of Custody								
	Electroni	c Data Deliver	able (EDD) Sent Separately						

Date:

1/18/2011

# **Certificate of Laboratory Analysis**

This report shall not be reproduced, except in full.

### Order # J11010033

Site: OUTFALL 002					Sample #:	2011000122	
Collection Date: 04-Jan-11	9:30 AM				Matrix:	NPDES	
Analyte	Result	Units	Qualifiers	RDL	Method	Analysis Date/Time	Analyst
TOTAL DISSOLVED SOLIDS							
TDS	880	mg/L	N	20	SM2540C	10-Jan-11 10:20	TJA7067
Site: OUTFALL 608					Sample #:	2011000123	
Collection Date: 04-Jan-11	9:00 AM				Matrix:	NPDES	
Analyte	Result	Units	Qualifiers	RDL	Method	Analysis Date/Time	Analyst
ALKALINITY (FIXED END POINT	4.5)						
Alkalinity (mg/L CaCO3)	2000	mg/L (CaCO3)	N	0.1	SM2320B	10-Jan-11 11:22	TJA7067
INORGANIC IONS BY IC							
Chloride	8100	mg/L	N	100	EPA 300.0	07-Jan-11 20:19	CLEEMAN
Fluoride	25	mg/L	N	10	EPA 300.0	07-Jan-11 20:19	CLEEMAN
Sulfate	11000	mg/L	N	200	EPA 300.0	07-Jan-11 20:19	CLEEMAN
TOTAL METALS BY ICP							
Boron (B)	547	mg/L	N	2.5	EPA 200.7	12-Jan-11 10:55	DJSULL1
Iron (Fe)	0.038	mg/L	N	0.01	EPA 200.7	12-Jan-11 10:55	DJSULL1
Manganese (Mn)	11.7	mg/L	N	0.005	EPA 200.7	12-Jan-11 10:55	DJSULL1
TOTAL RECOVERABLE METALS	S BY ICP-MS						
Arsenic (As)	< 20	ug/L	N	20	EPA 200.8	12-Jan-11 13:42	KRICHAR
Barium (Ba)	82.9	ug/L	N	20	EPA 200.8	12-Jan-11 13:42	KRICHAR
Cadmium (Cd)	< 20	ug/L	N	20	EPA 200.8	12-Jan-11 13:42	KRICHAR
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ug/L

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EPA 200.8

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SM2540C

SM2540D

12-Jan-11 13:42

12-Jan-11 13:42

12-Jan-11 13:42

12-Jan-11 13:42

10-Jan-11 10:20

07-Jan-11 15:47

KRICHAR

KRICHAR

KRICHAR

KRICHAR

TJA7067

**CLEEMAN** 

Chromium (Cr)

TOTAL DISSOLVED SOLIDS

**TOTAL SUSPENDED SOLIDS** 

Copper (Cu)

Lead (Pb)

Zinc (Zn)

TDS

TSS

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Project Inc.   Proj	Duke Energ	Mail Code MGO3A2 (Building 7405) 13339 Hagers Ferry Rd Huntersville, N. C. 28078 (704) 875-5245			Mail Code MGO3A2 (Building 7405)  13339 Hagers Ferry Rd  Huntersville, N. C. 28078  (704) 875-5245  Mail Code MGO3A2 (Building 7405)  LIMS #  Date & Time/					SA	SAMPLE PROGRAM			Page 5 of 5  19Page of  DISTRIBUTION  ORIGINAL to LAB, COPY to CLIENT			
Miami-Fort - Sue Wallace, Tara Thomas    Post   Physiosynthetic   Post   Physiosynthetic   Post   Physiosynthetic   Post   Physiosynthetic   Post   Physiosynthetic   Post   Physiosynthetic   P		ORT NPDES Monthl	2)Phone No:	Vendor		<del></del>	,	Ω.	١		Dri	NPDES nking Wa	_X nter				
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